

Key winnable public health battles for the United States

Tobacco



**Nutrition,
Physical Activity,
Obesity**



**Healthcare-
Associated
Infections**



**Food
Safety**



**Teen
Pregnancy**



**Motor
Vehicle
Injuries**



HIV



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Winnable battles

- Each area is a leading cause of illness, injury, disability, or death, and/or represents enormous societal costs
- Evidence-based, scalable interventions already exist and can be broadly implemented
- Our effort can make a difference
- We can get results within 1 to 4 years—but it won't be easy



Tobacco

Tobacco use is the leading preventable cause of death in the U.S.



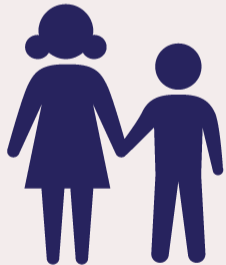
>40M

>40 million U.S. adults smoke



500,000

Tobacco kills almost **500,000** people in the U.S. each year, **>1,300** a day



40%

2 in 5 or **40%** of children ages 3 to 11 are exposed to secondhand smoke

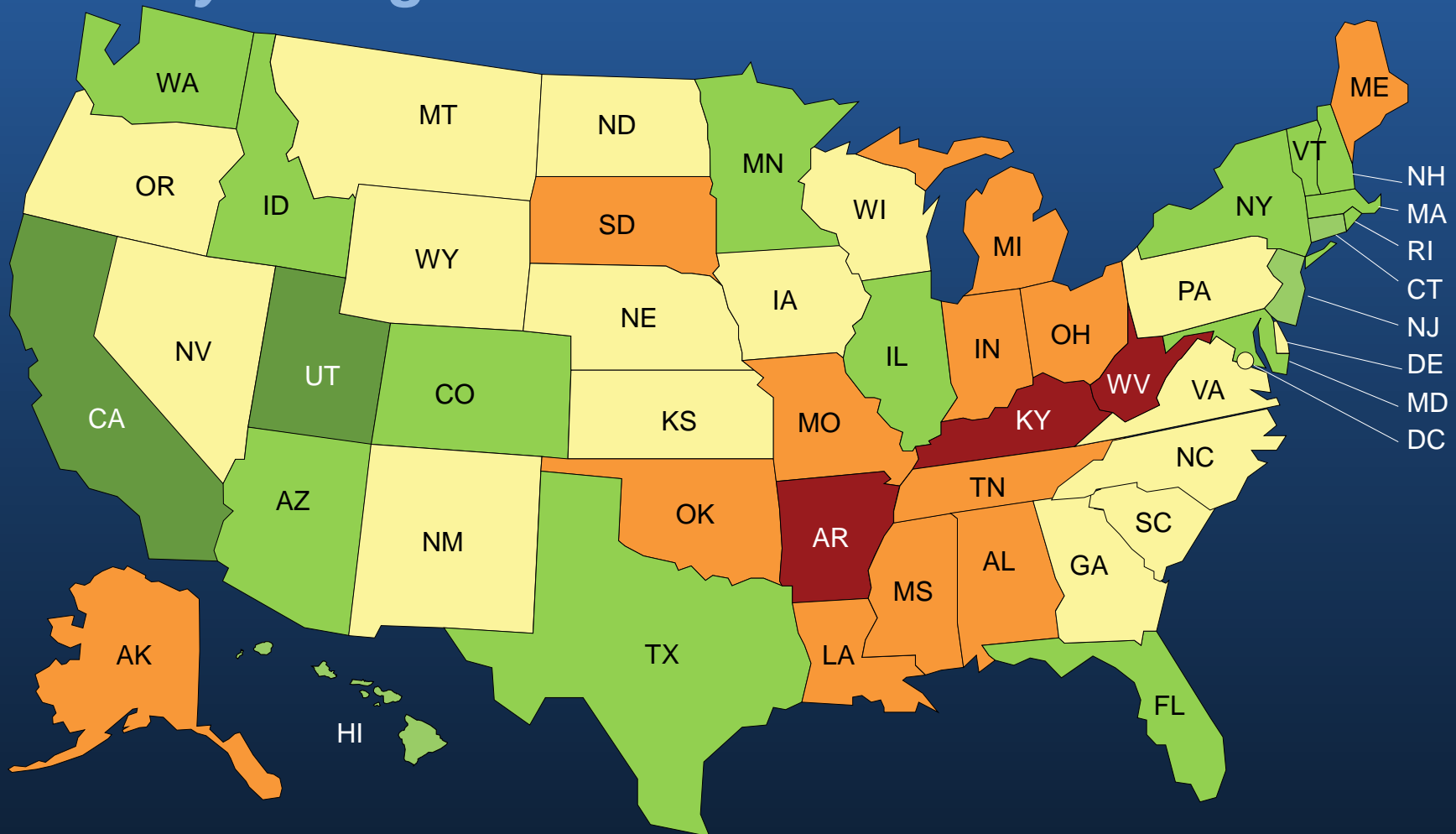


\$133B

The medical expenses of tobacco-related illnesses are at least **\$133 billion** per year

Adult smoking rates vary widely

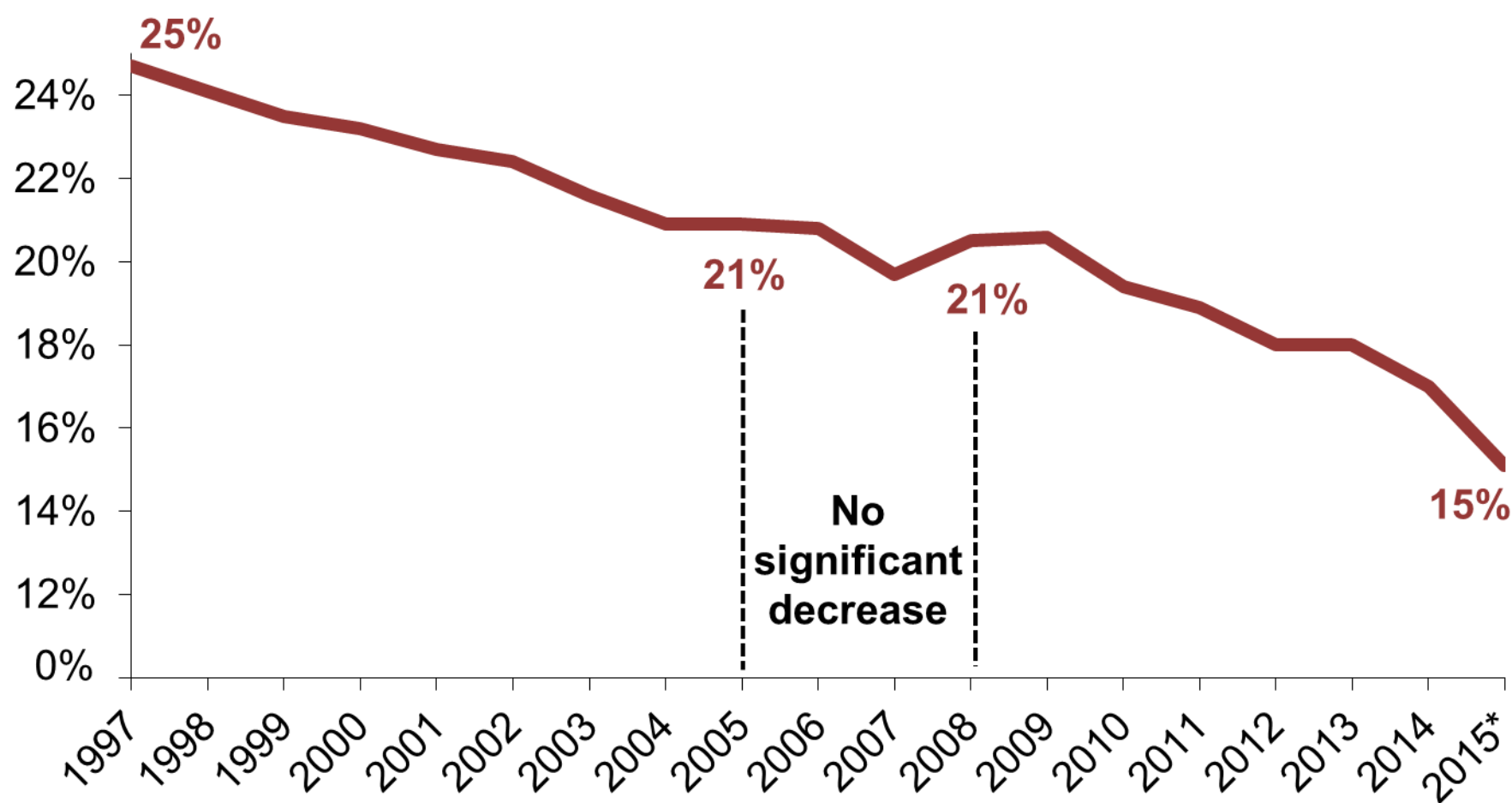
Nearly 3x higher in some states than in others



2011-2015. Centers for Disease Control and Prevention (CDC). State Tobacco Activities Tracking and Evaluation (STATE) System. BRFSS Survey Data; <http://www.cdc.gov/statesystem/cigaretteuseadult.html>

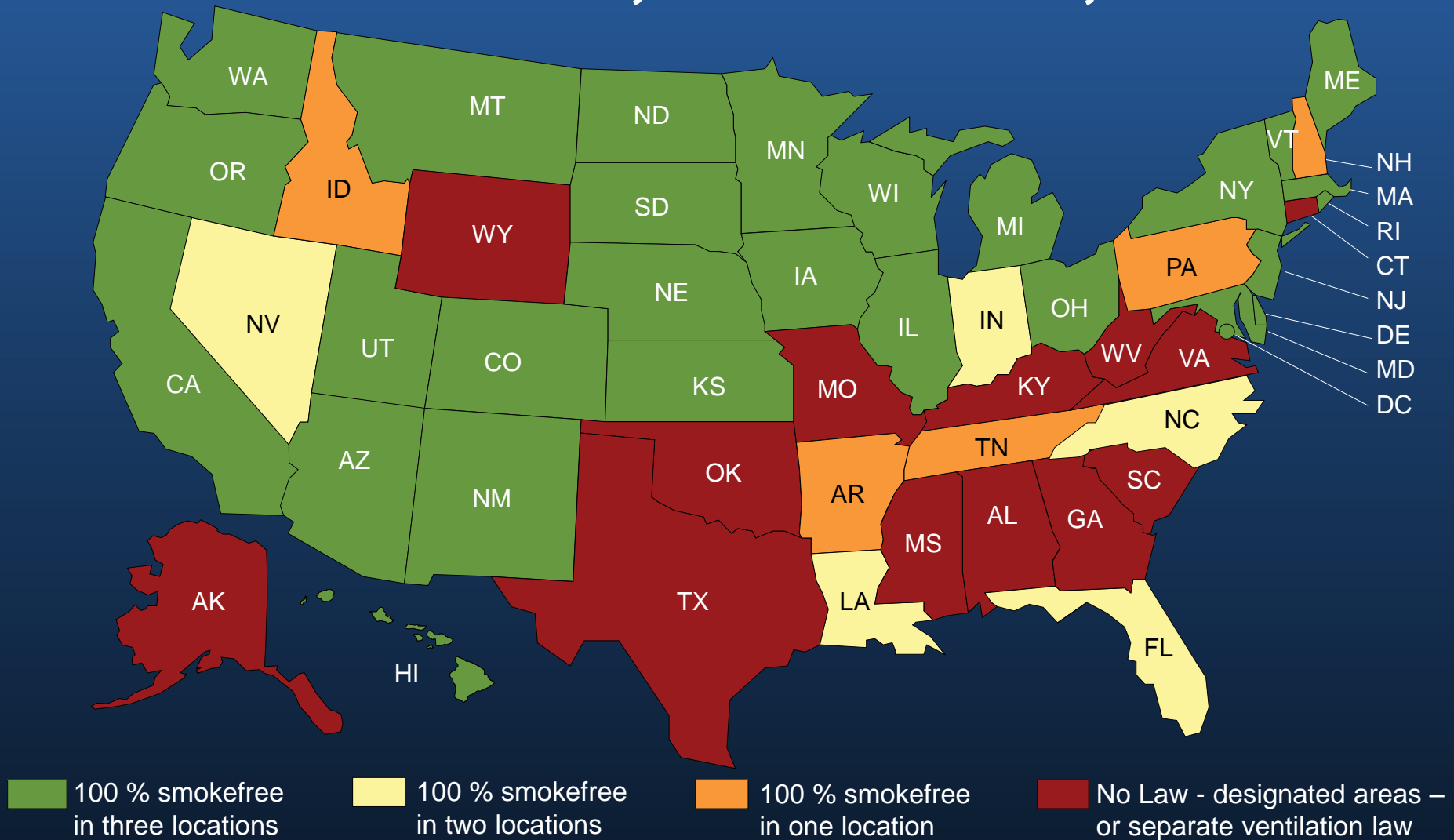
Adult smoking rates have fallen in recent years

Prevalence of current smoking among adults age 18+, U.S., 1997–2015



CDC/NCHS, National Health Interview Survey, 1997–2015, Sample Adult Core component; *2015 data are preliminary; http://www.cdc.gov/nchs/data/nhis/earlyrelease/earlyrelease201605_08.pdf

Many states have passed smoke-free laws in worksites, restaurants, and bars

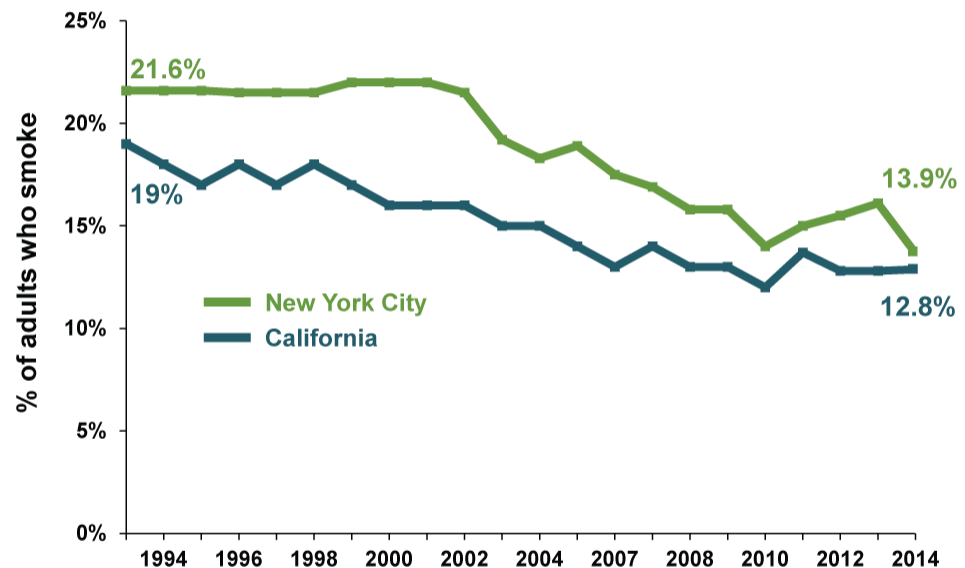


Laws in effect as of September 30, 2016. 1995-2016. Centers for Disease Control and Prevention (CDC). State Tobacco Activities Tracking and Evaluation (STATE) System. Legislation – Smokefree Indoor Air. <http://www.cdc.gov/statesystem/smokefreeindoorair.html>

Progress in tobacco control

Smoking gets lower in places that implement effective policies

- More comprehensive smoke-free laws in several states
- CDC's graphic anti-smoking campaign: *Tips From Former Smokers* depicts the devastating consequences of smoking and exposure to secondhand smoke



CA: Behavioral Risk Factor Surveillance System 1984-2014
NY: <https://a816-healthpsi.nyc.gov/epiquery/>

2016 Tips From former Smokers campaign:

*Profiles people who are living with the significant
adverse health effects due to smoking*



Nutrition, physical activity, obesity, and food safety



More than **one-third (36.5%)** of U.S. adults and **17% (12.7 million)** children and adolescents aged 2–19 years are obese



A person who is obese incurs an added **\$1,400** a year in medical costs



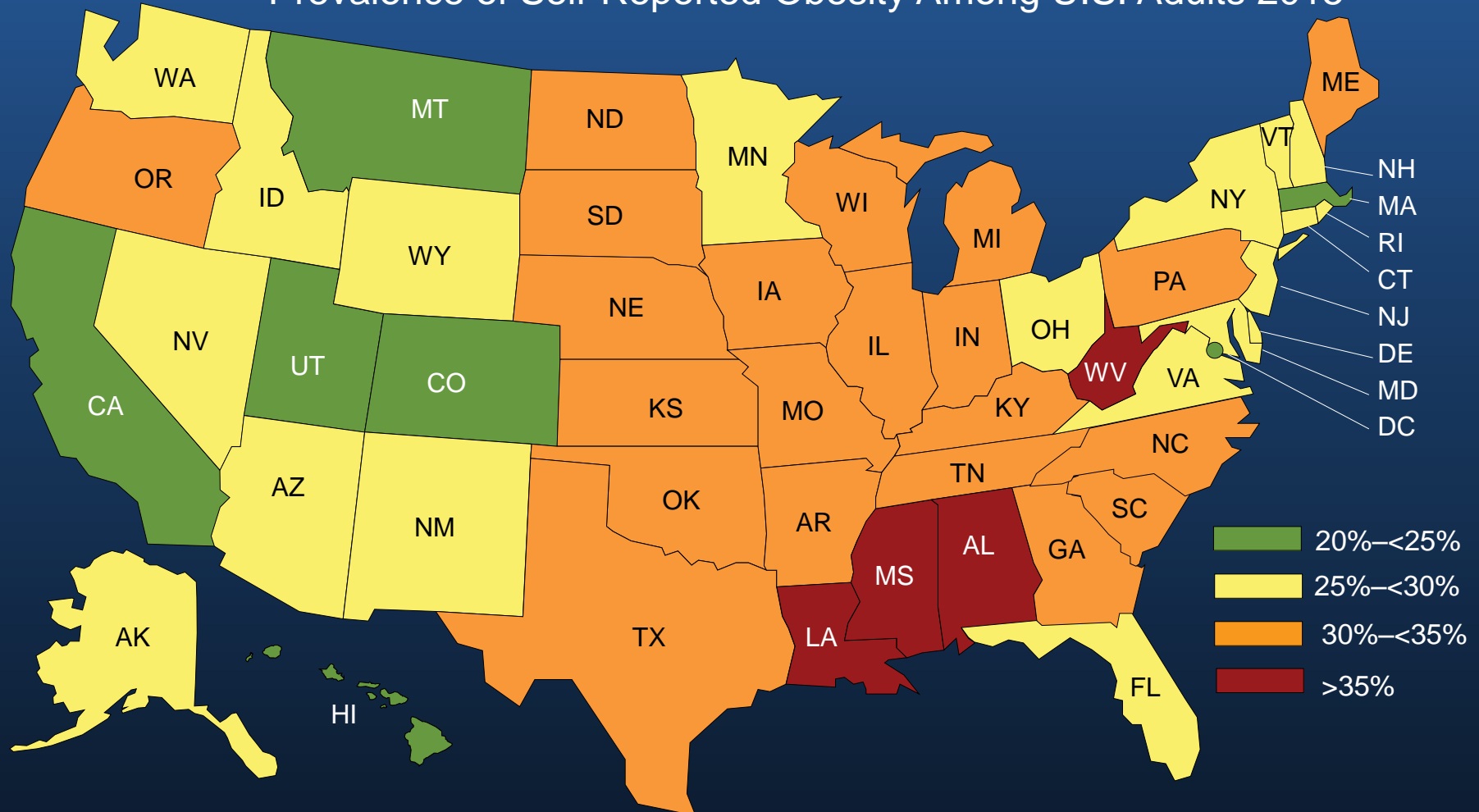
1 in 6 (48 million) people gets sick each year from contaminated food and **3,000** people die



Preventing a single fatal case of *E. coli* O157 infection saves an estimated **\$7 million**

Rates of obesity are high in all states among adults

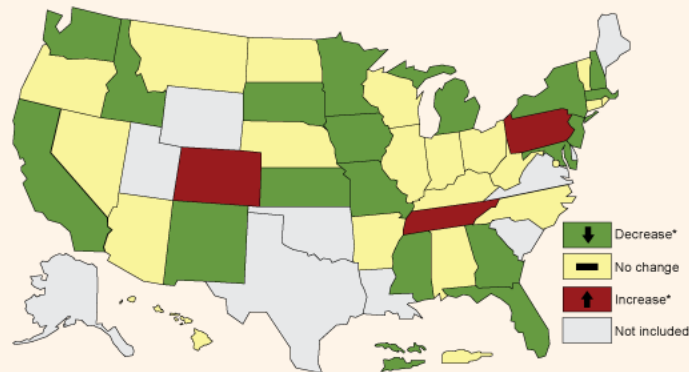
Prevalence of Self-Reported Obesity Among U.S. Adults 2015



Source: Behavioral Risk Factor Surveillance System, CDC, 2015

Progress in nutrition, physical activity, obesity, and food safety

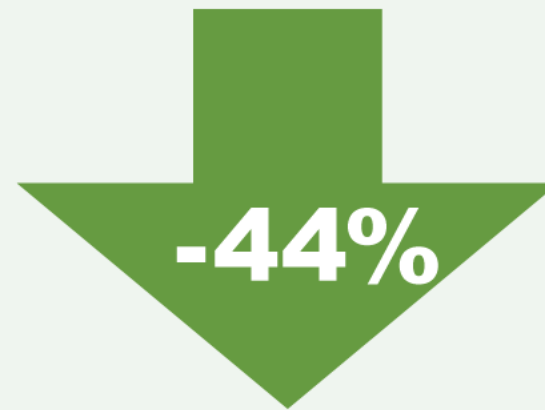
Many states show decreases in childhood obesity



From 2008 to 2011, obesity among low-income preschoolers declined in 19 of 43 states and territories studied

* Represents statistically significant annual decrease or increase in obesity
Source: Pediatric Nutrition Surveillance System, 2008–2011

E.coli O157 infections decreased



E.coli O157 infections decreased 44% from 1996-98 to 2015

<http://www.cdc.gov/foodnet/reports/data/incidence-trends.html#figure1>

Healthcare-associated infections



>1M

More than **1 million** infections occur across health care every year



\$30B

These infections cost an estimated **\$30 billion** per year



14,000

Clostridium difficile infections kill **14,000** people in the U.S. annually

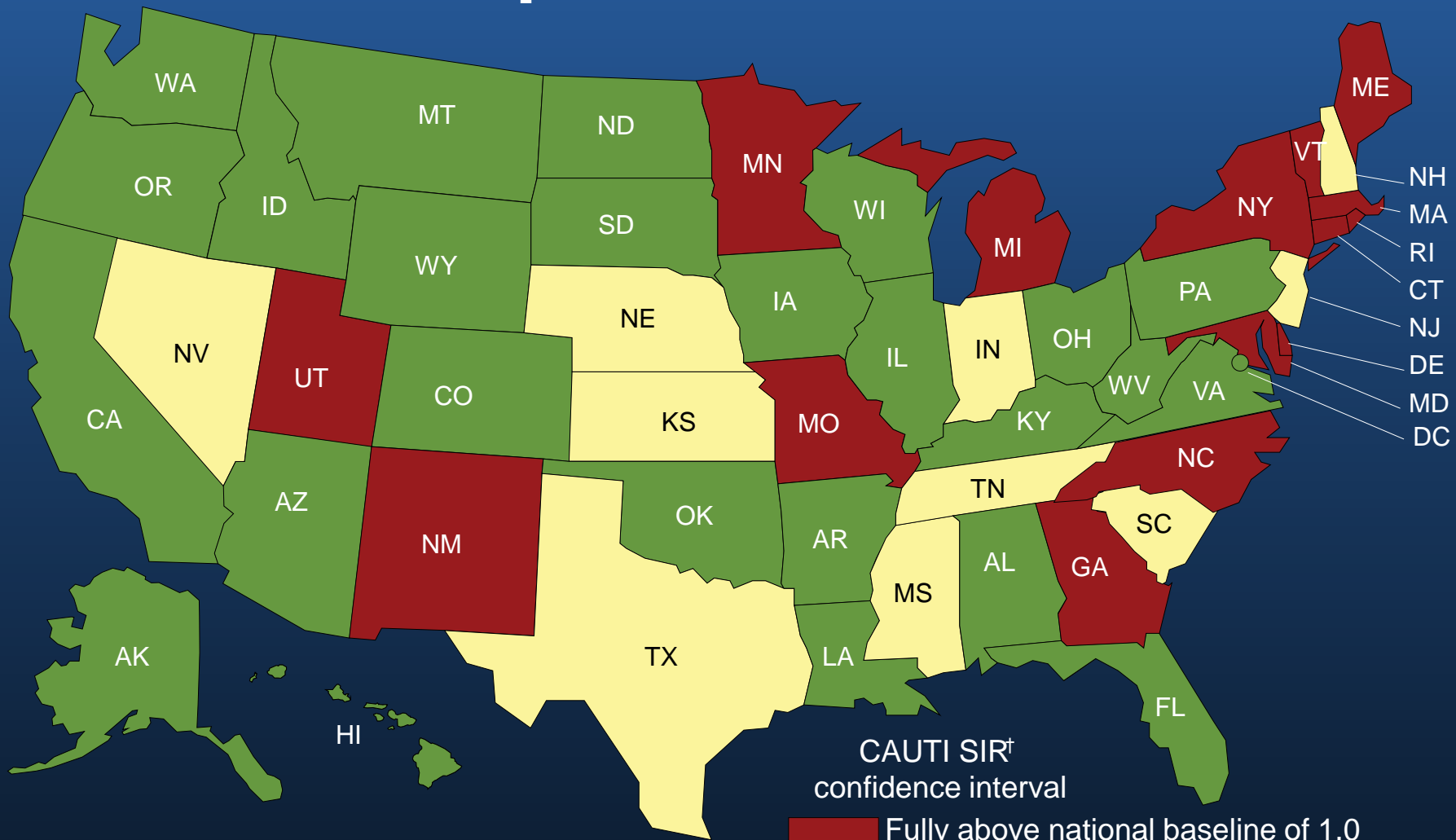


1 in 2

CRE* microbes kill **up to half** of patients who get blood-stream infections from them

*Carbapenem-resistant Enterobacteriaceae

CAUTI* has improved in some states, but further prevention is needed



*CAUTI: Catheter-associated urinary tract infections

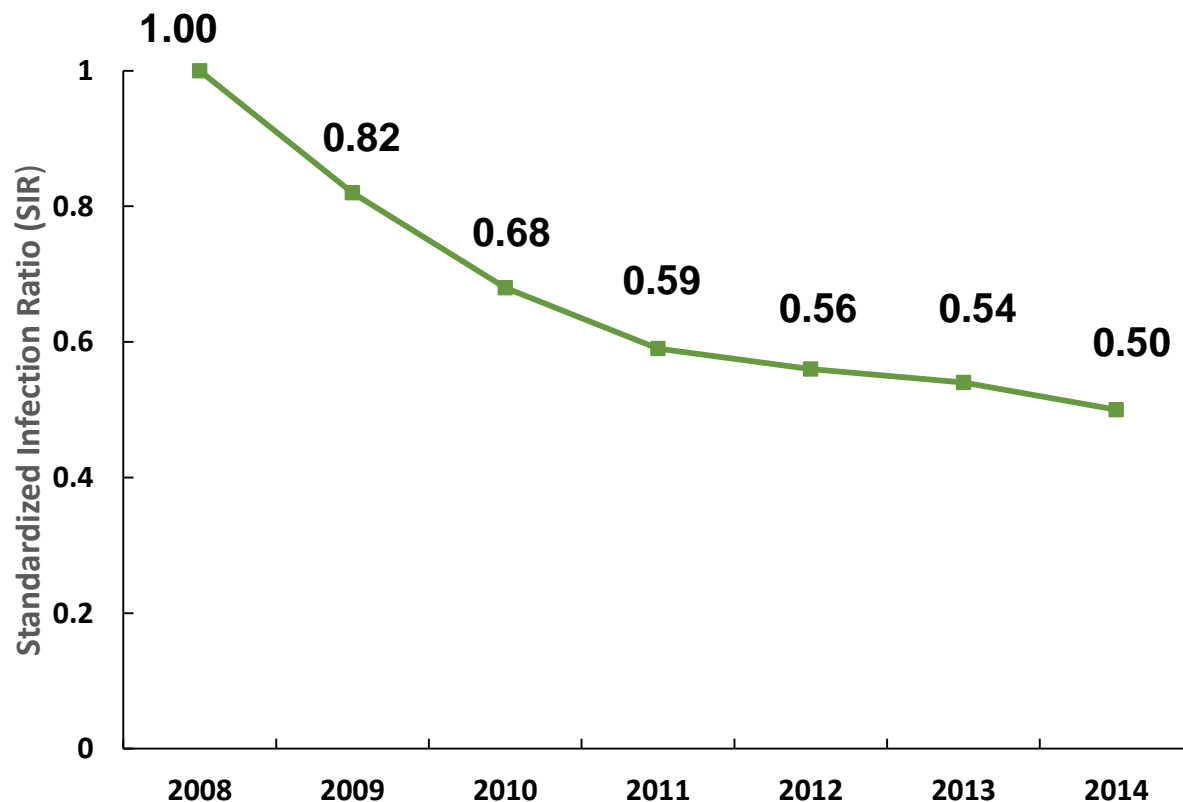
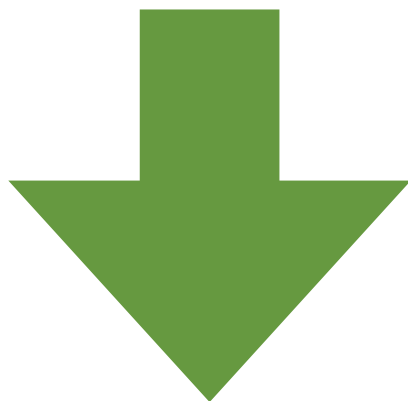
†SIR: Standardized infection ratio

Source: 2014 HAI Progress Report DataTables, Table 4a

Progress in healthcare-associated infections

SIR for central-line associated bloodstream infections declined sharply

-50%



*National and State Healthcare-associated Infections Progress Report, published January 2016, based on 2014 data;
www.cdc.gov/hai/surveillance/progress-report/index.html*

Motor vehicle injuries



>32,000



More than **32,000** people in the U.S. are killed
in motor vehicle crashes every year

Road traffic crashes are the **leading cause of
death** for children, teens, and young adults



2.3M

Motor vehicle-related
crashes injure more than **2.3
million** people every year



\$99B

The annual cost of motor
vehicle-related injuries
and deaths is **\$99 billion**

Death per 100,000 population, 2014

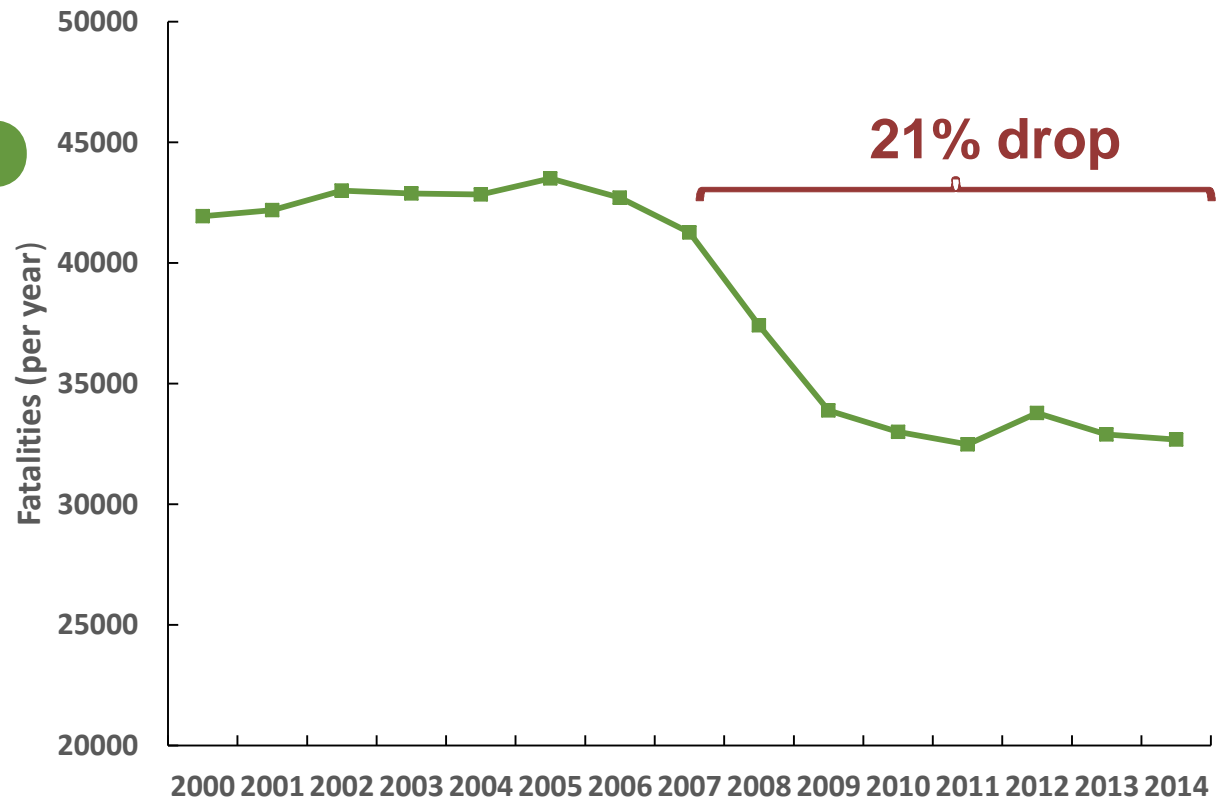
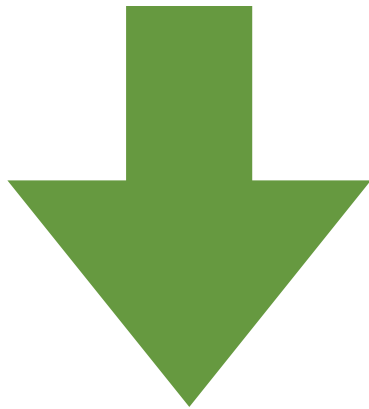
Color	Range	States
Green	3.1–9.9	AK, WA, OR, ID, NV, CA, UT, CO, MN, WI, MI, NY, VT, ME, NH, MA, RI, CT, NJ, DE, MD, DC
Yellow	10.0–14.9	NV, AZ, NM, TX, NE, KS, MO, IA, IL, IN, OH, WV, VA, NC, GA, FL
Red	15.0–22.6	MT, ND, SD, WY, KY, TN, AR, MS, AL, SC, LA

www.iihs.org/iihs/topics/t/general-statistics/fatalityfacts/state-by-state-overview/2014

Progress in motor vehicle injuries

Motor vehicle-related deaths decreased between 2007–2014

-21%



Teen pregnancy



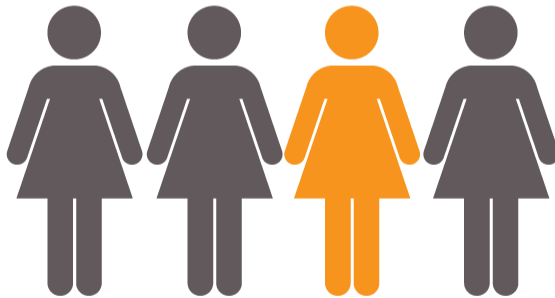
682

Every day, **682** teens
15–19 years old give
birth in the U.S.



Teen births in the U.S.
are up to **9 times higher**
than in most other
developed countries

1 in 4



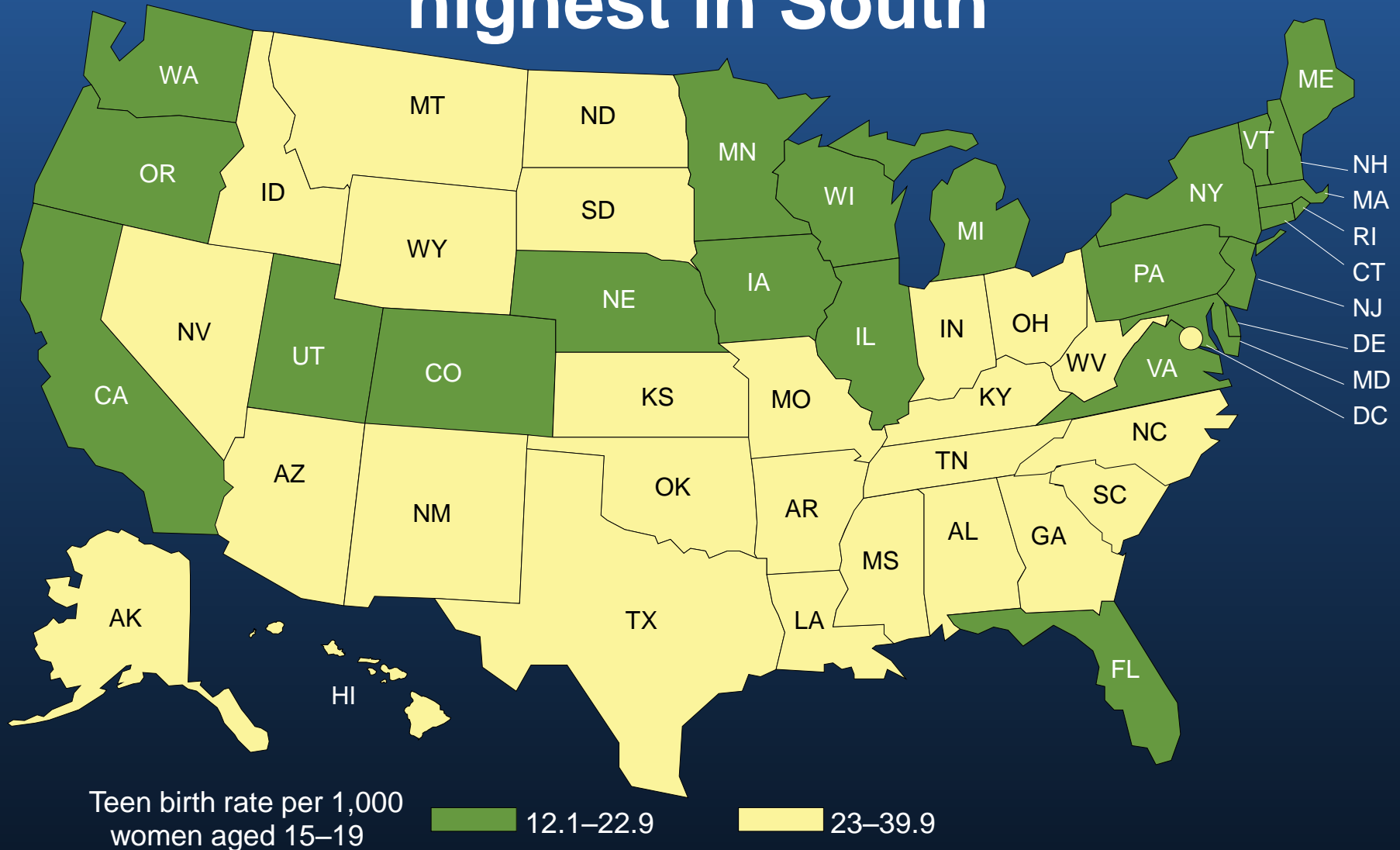
1 in 4 teen girls will become
pregnant before age 20. **614,000**
teen pregnancies every year



\$9.4B

Teen childbearing costs
U.S. taxpayers **\$9.4**
billion every year

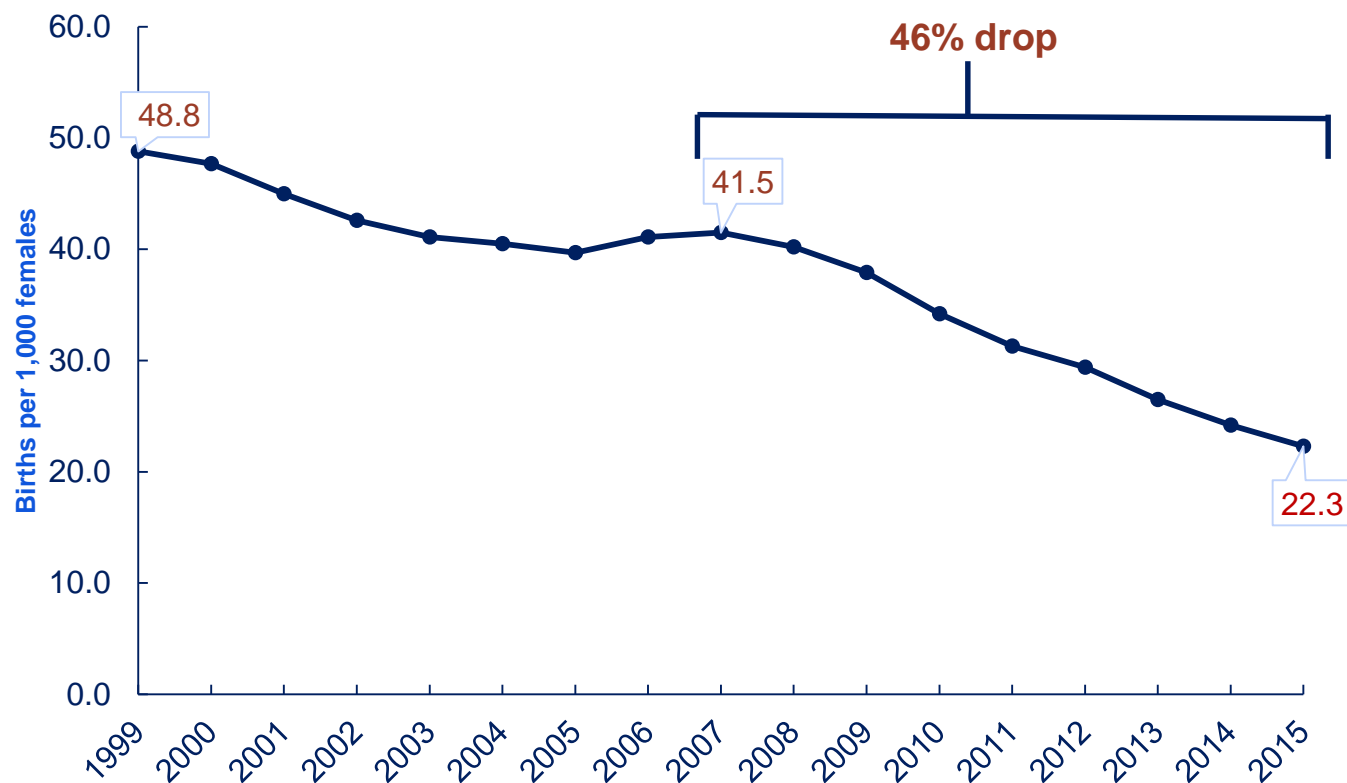
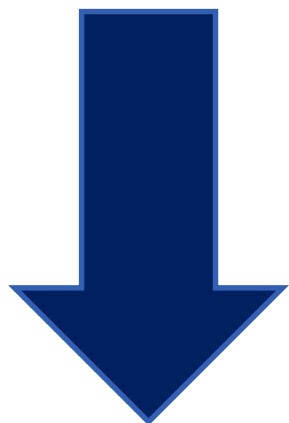
Teen birth rates lowest in Northeast, upper Midwest, upper Northwest, and highest in South



Progress in teen pregnancy

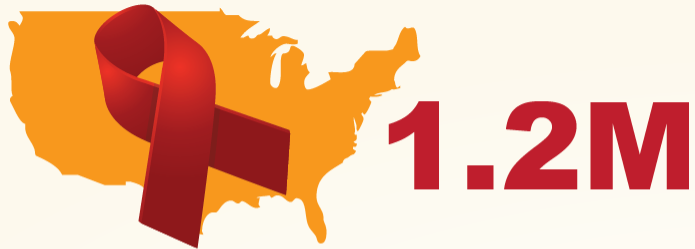
Major decrease in teen births between 2007-2015

-46%



CDC/NCHS, National Vital Statistics System

HIV/AIDS



1.2 million people in the U.S. are living with HIV



Almost **1 in 8** people do not know they are infected



Only **3 in 10** people with HIV (**30%**) achieve viral suppression

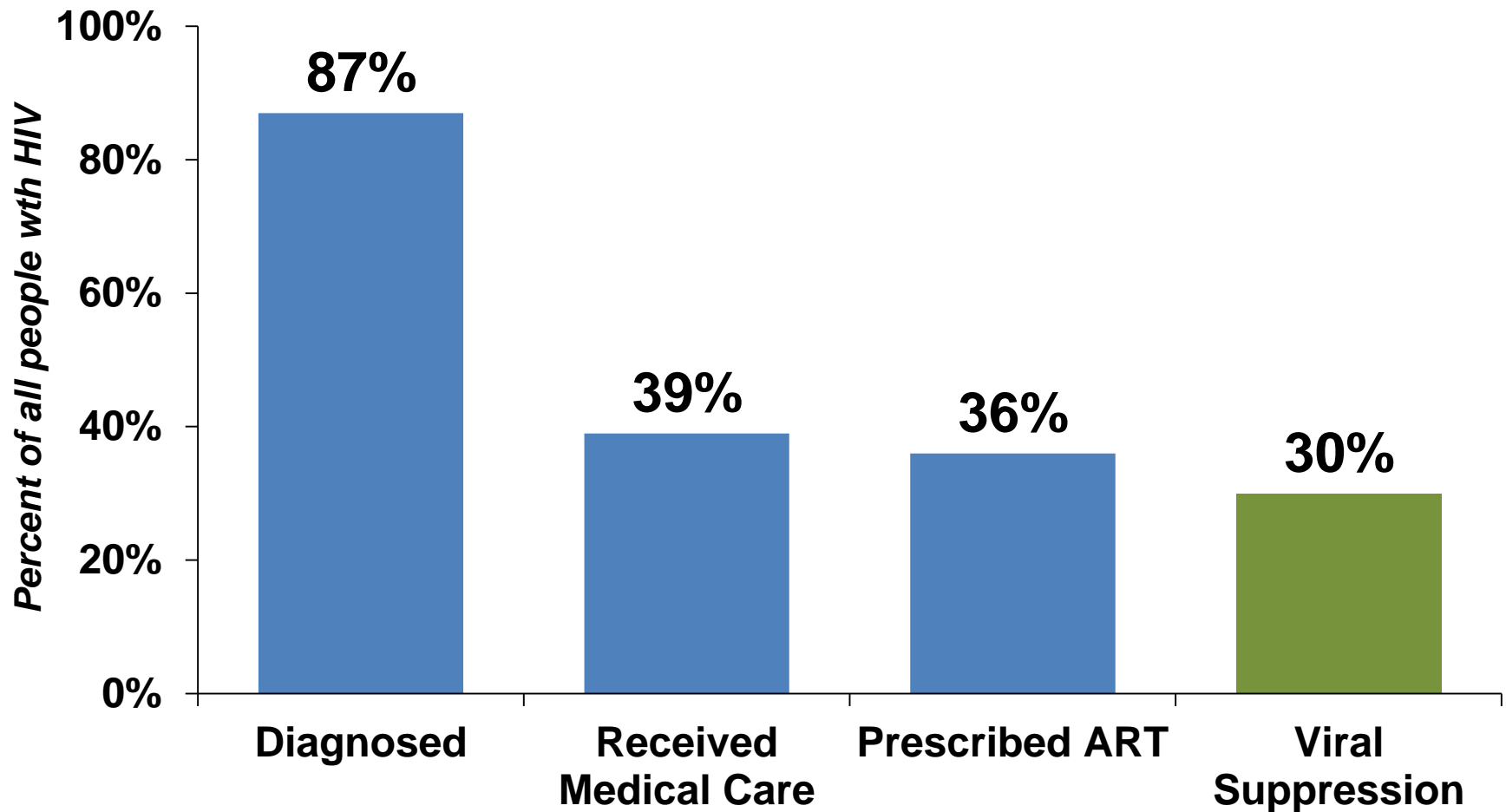


\$400,000

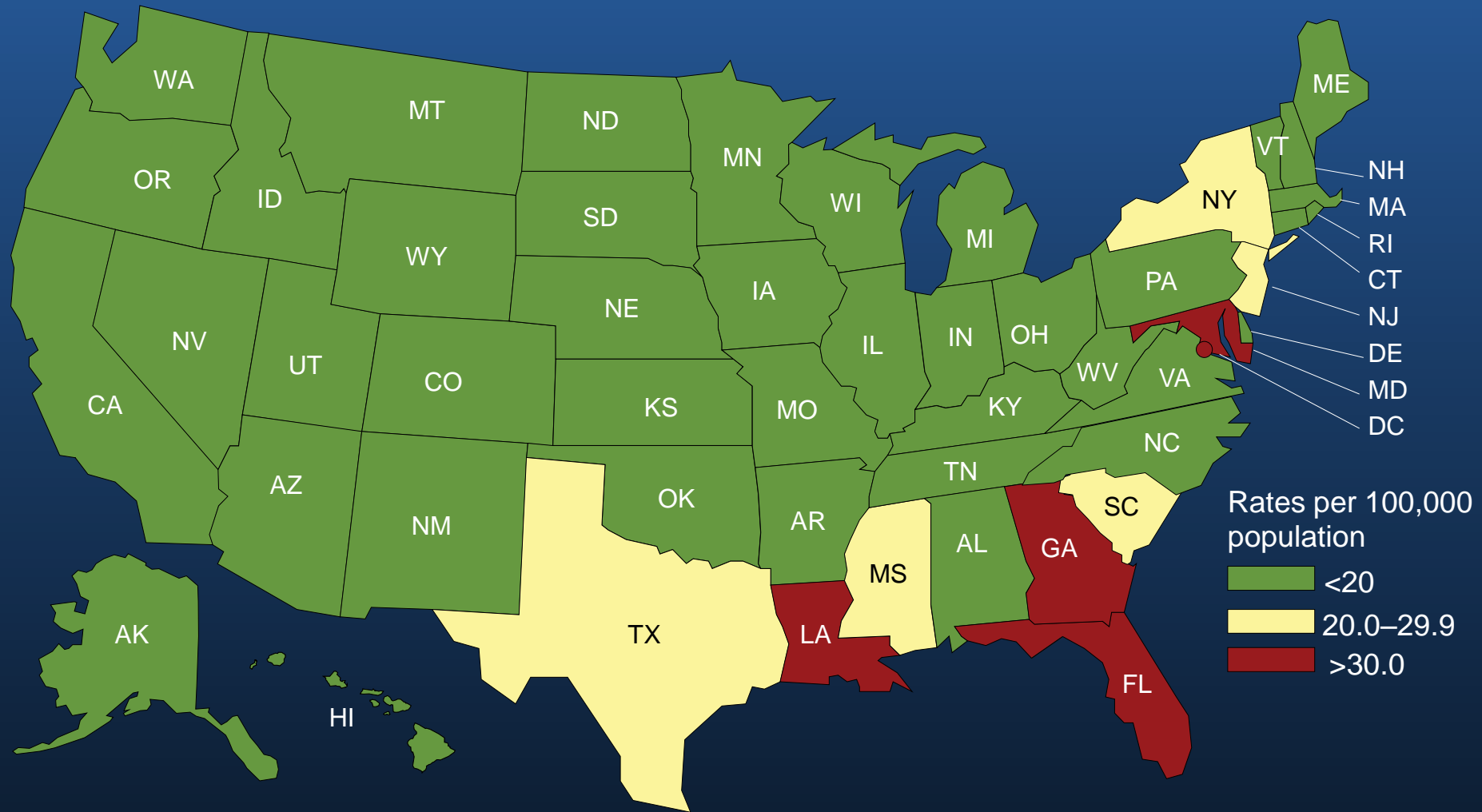
The lifetime cost of treating one HIV-infected person is **\$400,000**

The continuum of HIV care

Of the 1.2 million Americans living with HIV, less than a third are virally suppressed



New HIV diagnosis rates are higher in the Southeast and Northeast US (2014)

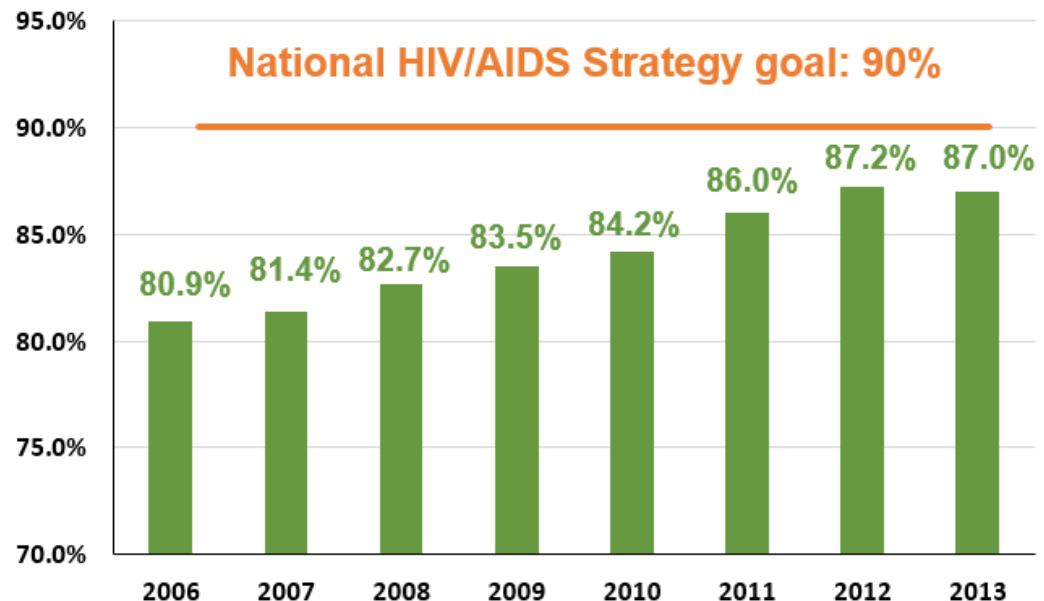


Note: Data include persons with a diagnosis of HIV infection regardless of stage of disease at diagnosis. Data includes adults and adolescents only. Data have been statistically adjusted to account for reporting delays, but not for incomplete reporting. Source: www.cdc.gov/hiv/library/slideSets/index.html

Progress in HIV/AIDS

**More Americans with HIV/AIDS
know their status than ever before**

**More than
3 million
adults
Were tested for
HIV in 2013**



CDC. Monitoring selected national HIV prevention and care objectives using HIV surveillance data—United States and 6 dependent areas—2014. *HIV Surveillance Supplemental Report* 2016; 21(4). Available at <http://www.cdc.gov/hiv/library/reports/surveillance/>.



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